

WHAT IS CLAIMED IS:

1. A door-opening/closing apparatus for a vehicle, comprising:
a body having an opening;
a door for closing the opening of the body;
5 a driving unit that drives the door to close the door;
a door movement detection unit that detects a movement of the door;
and
a judgment unit that judges whether the door is attempted to be closed,
wherein
10 when the door movement detection unit detects a movement of the
door, and when the judgment unit judges that the door is attempted to be
closed, the driving unit drives to close the door.
2. The door-opening/closing apparatus according to claim 1, wherein the
15 door movement detection unit detects the movement of the door by monitoring
an operation of the driving unit.
3. The door-opening/closing apparatus according to claim 1, wherein the
door movement detection unit detects the movement of the door by detecting a
20 rotation angle of a hinge that supports the door.
4. The door-opening/closing apparatus according to claim 1, wherein the
door movement detection unit detects the movement of the door by detecting
expansion and contraction of a damper mounted between the body and the
25 door.

5. The door-opening/closing apparatus according to claim 1, wherein the door includes a sensing unit that senses a human's touching the door, wherein when the sensing unit senses the human's touching the door, the judgment unit
5 judges that the door is attempted to be closed.
6. The door-opening/closing apparatus according to claim 5, wherein the sensing unit is an electrostatic switch.
- 10 7. The door-opening/closing apparatus according to claim 5, wherein the sensing unit is a temperature sensor switch.
8. The door-opening/closing apparatus according to claim 1, wherein the body includes a vibration sensor that senses a vibration of the body, wherein
15 when the door movement detection unit detects a movement of the door, and when the vibration sensor senses no vibration of the body, the judgment unit judges that the door is attempted to be closed.
9. The door-opening/closing apparatus according to claim 1, wherein the
20 door is a back door that closes a tailgate formed on a rear portion of the body.
10. The door-opening/closing apparatus according to claim 1, wherein the door is a side door that closes a side gate formed on a side portion of the body.